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### (54) **LOW FREQUENCY VIBRATING ULTRASONIC INTERDENTAL BRUSH BY INTERMITTENT CONTROL**

(57) Abstract:

PROBLEM TO BE SOLVED: To scrape out remnants and plaque between teeth and to remove stubborn tartar.

SOLUTION: A holder body 1 is provided with a pulse generator 5, and an ultrasonic vibrator 2 is intermittently operated synchronously with control pulse emitted from the pulse generator 5. An interdental brush body 4 is thereby vibrated intermittently in a nearly orthogonal direction to the longitudinal direction of a chucking body 3. A melody timer put in action only for the operating time necessary for cleaning, and an amplitude controller for controlling the amplitude of ultrasonic wave, are built in the holder body 1.

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